PDC Laboratories, Inc.
P.O. Box 9071 • Peoria, IL 61612-9071
(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

ACCREDITED IN ACCORDANCE WITH nelac

August 10, 2004

Mr. Evan Buskohl
Waste Group
5450 Wansford Way, Suite 201B
Rockford, IL 61109

Re: 2018080001 – Winnebago County
Pagel's Pit/Winnebago Reclamation Service
Permit No. 1991-138-LF

Dear Mr. Buskohl:

Enclosed are the field sheets, field data summary, original LIMS reports and original chains-of-custody for the report period ending October 15, 2004. Sampling was done July 7-8, 2004.

The excel file containing the results was sent to you and Kim Van Pelt of Andrews Environmental Engineering Inc. earlier today. The electronic deliverable will be sent to the state October 13, 2004. Copies of the Chemical Analysis Forms will be forwarded to you at that time.

Please contact me at (309)692-9688 or by e-mail (drothert@pdclab.com) with any questions and/or requests for additional information.

Sincerely,

PDC LABORATORIES, INC.

Dorothy W. Rothert

Dorothy W. Rothert
Project Manager

Attachments

cc: Kim Van Pelt, Andrews Environmental Engineering Inc.

Pagelcov.doc

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Report Cover Page

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested. This report contains 22 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04071766-1	PAGEL/NORTH	R03S	PAGEL PIT
04071766-2	PAGEL/NORTH	G03M	PAGEL PIT
04071766-3	PAGEL/NORTH	G09M	PAGEL PIT
04071766-4	PAGEL/NORTH	G09D	PAGEL PIT
04071766-5	PAGEL/NORTH	G14D	PAGEL PIT
04071766-6	PAGEL/NORTH	G15S	PAGEL PIT
04071766-7	PAGEL/NORTH	G16M	PAGEL PIT
04071766-8	PAGEL/NORTH	G16D	PAGEL PIT
04071766-9	PAGEL/NORTH	G20D	PAGEL PIT
04071766-10	PAGEL/NORTH	G33S	PAGEL PIT
04071766-11	PAGEL/NORTH	G33D	PAGEL PIT
04071766-12	PAGEL/NORTH	G34S	PAGEL PIT
04071766-13	PAGEL/NORTH	G34D	PAGEL PIT
04071766-14	PAGEL/NORTH	G35S	PAGEL PIT

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Report Cover Page

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested. This report contains 22 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04071766-15	PAGEL/NORTH	G35D	PAGEL PIT
04071766-16	PAGEL/NORTH	G36S	PAGEL PIT
04071766-17	PAGEL/NORTH	G38S	PAGEL PIT
04071766-18	PAGEL/NORTH	G40S	PAGEL PIT
04071766-19	PAGEL/NORTH	R42S	PAGEL PIT
04071766-20	PAGEL/NORTH	G130	PAGEL PIT
04071766-21	PAGEL/NORTH	FIELD BLANK	PAGEL PIT
04071766-22	PAGEL/NORTH	EQUIPMENT BLANK	PAGEL PIT

Certified by: Dorothy W. Rothert
Dorothy W. Rothert, Project Manager

PDC Laboratories, Inc. participates in the following laboratory accreditation/certification/validation and proficiency programs:

Endorsement by the Federal or State Government or their agencies is not implied.
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

State of Illinois Certification for Bacteriological Analysis in Drinking Water -Lab Registry No. 17533
Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998294430)
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-1
Client ID: PAGEL/NORTH
Site: R03S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 12:20

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		120	mg/l	19-Jul-04 12:30	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	16-Jul-04 15:22	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		34.	mg/l	12-Jul-04 16:26	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 08:05	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:51	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		28.	mg/l	19-Jul-04 12:11	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		1400	mg/l	12-Jul-04 07:54	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		250	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		8500	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		15.	ug/l	16-Jul-04 12:29	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 12:29	MLO
Manganese, Dissolved		160	ug/l	16-Jul-04 12:29	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 12:29	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 12:29	MLO

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-2
Client ID: PAGEL/NORTH
Site: G03M
Locator: PAGEL PIT
Collect Date: 07-JUL-04 12:35

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		42.	mg/l	09-Jul-04 09:36	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	16-Jul-04 15:23	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		2.5	mg/l	12-Jul-04 16:28	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		8.2	mg/l	09-Jul-04 09:36	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	04-Aug-04 12:55	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		28.	mg/l	09-Jul-04 09:36	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		370	mg/l	12-Jul-04 07:55	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		54.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 12:32	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 12:32	MLO
Manganese, Dissolved		460	ug/l	16-Jul-04 12:32	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 12:32	MLO
Zinc, Dissolved		6.9	ug/l	16-Jul-04 12:32	MLO

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Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-3
Client ID: PAGEL/NORTH
Site: G09M
Locator: PAGEL PIT
Collect Date: 07-JUL-04 14:25

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		250	mg/l	21-Jul-04 19:01	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:17	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		1.2	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 12:09	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 10:39	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		3.0	mg/l	09-Jul-04 12:09	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		2500	mg/l	12-Jul-04 07:55	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		31.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		7200	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		1.4	ug/l	16-Jul-04 12:36	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 12:36	MLO
Manganese, Dissolved		31.	ug/l	16-Jul-04 12:36	MLO
Lead, Dissolved		1.1	ug/l	16-Jul-04 12:36	MLO
Zinc, Dissolved		13000	ug/l	16-Jul-04 12:36	MLO

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-4
Client ID: PAGEL/NORTH
Site: G09D
Locator: PAGEL PIT
Collect Date: 07-JUL-04 14:45

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		22.	mg/l	19-Jul-04 13:08	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:19	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.050	mg/l	09-Jul-04 12:55	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 12:13	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		46.	mg/l	19-Jul-04 13:08	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		850	mg/l	12-Jul-04 07:55	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		62.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		4200	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 12:40	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 12:40	MLO
Manganese, Dissolved		800	ug/l	16-Jul-04 12:40	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 12:40	MLO
Zinc, Dissolved		160	ug/l	16-Jul-04 12:40	MLO

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Laboratory Results

Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-5
Client ID: PAGEL/NORTH
Site: G14D
Locator: PAGEL PIT
Collect Date: 07-JUL-04 14:05

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		38.	mg/l	19-Jul-04 14:05	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:20	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		1.2	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.071	mg/l	09-Jul-04 12:06	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics		0.036	mg/l	22-Jul-04 10:43	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved	<	1.0	mg/l	03-Aug-04 09:59	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		2200	mg/l	12-Jul-04 08:03	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		91.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		27000	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		7.3	ug/l	16-Jul-04 13:07	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:07	MLO
Manganese, Dissolved		440	ug/l	16-Jul-04 13:07	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:07	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:07	MLO

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Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-6
Client ID: PAGEL/NORTH
Site: G15S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 13:15

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		280	mg/l	19-Jul-04 14:24	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:21	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		130	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 08:56	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics		0.0080	mg/l	28-Jul-04 09:26	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		24.	mg/l	09-Jul-04 09:15	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		830	mg/l	12-Jul-04 08:04	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		480	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		590	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		1.7	ug/l	16-Jul-04 13:11	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:11	MLO
Manganese, Dissolved		330	ug/l	16-Jul-04 13:11	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:11	MLO
Zinc, Dissolved		94.	ug/l	16-Jul-04 13:11	MLO

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Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-7
Client ID: PAGEL/NORTH
Site: G16M
Locator: PAGEL PIT
Collect Date: 08-JUL-04 10:52

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		45.	mg/l	09-Jul-04 15:15	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:22	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		12.	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		7.8	mg/l	09-Jul-04 15:15	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 10:46	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		27.	mg/l	09-Jul-04 15:15	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		420	mg/l	12-Jul-04 08:04	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		74.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:15	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:15	MLO
Manganese, Dissolved		1100	ug/l	16-Jul-04 13:15	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:15	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:15	MLO

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Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-8
Client ID: PAGEL/NORTH
Site: G16D
Locator: PAGEL PIT
Collect Date: 08-JUL-04 11:07

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		11.	mg/l	09-Jul-04 15:34	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:23	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		3.4	mg/l	09-Jul-04 15:34	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 12:15	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		30.	mg/l	09-Jul-04 15:34	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		340	mg/l	12-Jul-04 08:03	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		14.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:18	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:18	MLO
Manganese, Dissolved	<	1.0	ug/l	16-Jul-04 13:18	MLO
Lead, Dissolved		1.1	ug/l	16-Jul-04 13:18	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:18	MLO

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Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-9
Client ID: PAGEL/NORTH
Site: G20D
Locator: PAGEL PIT
Collect Date: 07-JUL-04 15:10

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		24.	mg/l	09-Jul-04 14:11	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:27	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		5.1	mg/l	09-Jul-04 14:11	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 10:52	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		24.	mg/l	09-Jul-04 14:11	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		350	mg/l	12-Jul-04 08:04	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		24.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		18.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:22	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:22	MLO
Manganese, Dissolved		15.	ug/l	16-Jul-04 13:22	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:22	MLO
Zinc, Dissolved		29.	ug/l	16-Jul-04 13:22	MLO

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(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-10
Client ID: PAGEL/NORTH
Site: G33S
Locator: PAGEL PIT
Collect Date: 08-JUL-04 12:23

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		17.	mg/l	09-Jul-04 15:53	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:28	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		9.1	mg/l	09-Jul-04 15:53	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 10:53	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		35.	mg/l	09-Jul-04 15:53	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		350	mg/l	12-Jul-04 08:04	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		15.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:25	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:25	MLO
Manganese, Dissolved	<	1.0	ug/l	16-Jul-04 13:25	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:25	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:25	MLO

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-11
Client ID: PAGEL/NORTH
Site: G33D
Locator: PAGEL PIT
Collect Date: 08-JUL-04 12:25

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		19.	mg/l	09-Jul-04 16:12	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:29	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		9.5	mg/l	09-Jul-04 16:12	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 10:54	lgjfa
EPA METHOD 300.0 rev 2.1					
Sulfate, Dissolved		36.	mg/l	09-Jul-04 16:12	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		390	mg/l	12-Jul-04 09:20	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		12.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:29	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:29	MLO
Manganese, Dissolved	<	1.0	ug/l	16-Jul-04 13:29	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:29	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:29	MLO

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Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-12
Client ID: PAGEL/NORTH
Site: G34S
Locator: PAGEL PIT
Collect Date: 08-JUL-04 11:23

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		64.	mg/l	09-Jul-04 16:31	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:30	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		20.	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		5.5	mg/l	09-Jul-04 16:31	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 10:55	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		28.	mg/l	09-Jul-04 16:31	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		400	mg/l	12-Jul-04 09:20	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		120	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:33	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:33	MLO
Manganese, Dissolved		120	ug/l	16-Jul-04 13:33	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:33	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:33	MLO

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Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-13
Client ID: PAGEL/NORTH
Site: G34D
Locator: PAGEL PIT
Collect Date: 08-JUL-04 11:35

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		93.	mg/l	03-Aug-04 10:15	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:30	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.77	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		5.5	mg/l	09-Jul-04 16:50	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 10:56	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		24.	mg/l	09-Jul-04 16:50	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		610	mg/l	12-Jul-04 09:22	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		57.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:36	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:36	MLO
Manganese, Dissolved		22.	ug/l	16-Jul-04 13:36	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:36	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:36	MLO

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Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-14
Client ID: PAGEL/NORTH
Site: G35S
Locator: PAGEL PIT
Collect Date: 08-JUL-04 11:52

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		53.	mg/l	19-Jul-04 14:43	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:33	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		40.	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.60	mg/l	09-Jul-04 15:43	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:00	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		34.	mg/l	19-Jul-04 14:43	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		320	mg/l	12-Jul-04 09:22	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		200	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		14.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:40	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:40	MLO
Manganese, Dissolved		150	ug/l	16-Jul-04 13:40	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:40	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:40	MLO

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Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-15
Client ID: PAGEL/NORTH
Site: G35D
Locator: PAGEL PIT
Collect Date: 08-JUL-04 12:10

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		250	mg/l	19-Jul-04 15:59	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:34	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		31.	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 15:58	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	28-Jul-04 09:27	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		20.	mg/l	09-Jul-04 15:58	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		1000	mg/l	12-Jul-04 09:22	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		290	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		2.1	ug/l	16-Jul-04 13:50	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:50	MLO
Manganese, Dissolved		500	ug/l	16-Jul-04 13:50	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:50	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:50	MLO

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-16
Client ID: PAGEL/NORTH
Site: G36S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 12:35

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		32.	mg/l	09-Jul-04 09:52	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:35	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		11.	mg/l	09-Jul-04 09:52	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:02	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		28.	mg/l	09-Jul-04 09:52	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		410	mg/l	12-Jul-04 09:22	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		17.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 13:54	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:54	MLO
Manganese, Dissolved	<	1.0	ug/l	16-Jul-04 13:54	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:54	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:54	MLO

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Laboratory Results

Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-17
Client ID: PAGEL/NORTH
Site: G38S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 13:20

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		490	mg/l	19-Jul-04 16:37	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:39	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		66.	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 09:34	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:07	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		15.	mg/l	19-Jul-04 16:18	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		1400	mg/l	12-Jul-04 09:23	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		400	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		1100	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		4.2	ug/l	16-Jul-04 13:57	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 13:57	MLO
Manganese, Dissolved		1400	ug/l	16-Jul-04 13:57	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 13:57	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 13:57	MLO

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Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-18
Client ID: PAGEL/NORTH
Site: G40S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 12:55

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		110	mg/l	19-Jul-04 16:56	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:40	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		22.	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.92	mg/l	09-Jul-04 11:38	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:08	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		24.	mg/l	09-Jul-04 11:38	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		690	mg/l	12-Jul-04 09:23	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		130	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		1.0	ug/l	16-Jul-04 14:01	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 14:01	MLO
Manganese, Dissolved		420	ug/l	16-Jul-04 14:01	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 14:01	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 14:01	MLO

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Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-19
Client ID: PAGEL/NORTH
Site: R42S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 12:10

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		140	mg/l	19-Jul-04 18:12	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:41	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		2.2	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 07:49	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:09	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		14.	mg/l	19-Jul-04 17:53	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		220	mg/l	12-Jul-04 09:23	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		79.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved		58000	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved		58.	ug/l	16-Jul-04 14:05	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 14:05	MLO
Manganese, Dissolved		990	ug/l	16-Jul-04 14:05	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 14:05	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 14:05	MLO

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Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-20
Client ID: PAGEL/NORTH
Site: G130
Locator: PAGEL PIT
Collect Date: 07-JUL-04 12:55

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		33.	mg/l	09-Jul-04 11:54	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:42	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		11.	mg/l	09-Jul-04 11:54	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:10	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		36.	mg/l	09-Jul-04 11:54	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		420	mg/l	12-Jul-04 09:23	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		16.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 14:08	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 14:08	MLO
Manganese, Dissolved	<	1.0	ug/l	16-Jul-04 14:08	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 14:08	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 14:08	MLO

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P.O. Box 9071 • Peoria, IL 61612-9071
(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

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Laboratory Results

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-21
Client ID: PAGEL/NORTH
Site: FIELD BLANK
Locator: PAGEL PIT
Collect Date: 08-JUL-04 08:50

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved	<	1.0	mg/l	09-Jul-04 16:13	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:43	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 16:13	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:11	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved	<	1.0	mg/l	09-Jul-04 16:13	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered	<	17.	mg/l	12-Jul-04 09:24	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 14:12	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 14:12	MLO
Manganese, Dissolved	<	1.0	ug/l	16-Jul-04 14:12	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 14:12	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 14:12	MLO

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Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 10-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071766

Sample No: 04071766-22
Client ID: PAGEL/NORTH
Site: EQUIPMENT BLANK
Locator: PAGEL PIT
Collect Date: 08-JUL-04 09:00

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved	<	1.0	mg/l	09-Jul-04 16:59	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	19-Jul-04 11:44	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	14-Jul-04 09:42	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	09-Jul-04 16:59	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	22-Jul-04 11:13	lgjfa
EPA METHOD 300.0 rev 2.1					
Sulfate, Dissolved	<	1.0	mg/l	09-Jul-04 16:59	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered	<	17.	mg/l	12-Jul-04 09:24	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
Iron, Dissolved	<	10.	ug/l	14-Jul-04 07:00	JMP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	16-Jul-04 14:16	MLO
Cadmium, Dissolved	<	1.0	ug/l	16-Jul-04 14:16	MLO
Manganese, Dissolved	<	1.0	ug/l	16-Jul-04 14:16	MLO
Lead, Dissolved	<	1.0	ug/l	16-Jul-04 14:16	MLO
Zinc, Dissolved	<	6.0	ug/l	16-Jul-04 14:16	MLO

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Report Cover Page

Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested. This report contains 13 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04071575-1	PAGEL/NORTH	G17S	PAGEL PIT
04071575-2	PAGEL/NORTH	G18S	PAGEL PIT
04071575-3	PAGEL/NORTH	G18D	PAGEL PIT
04071575-4	PAGEL/NORTH	G37S	PAGEL PIT
04071575-5	PAGEL/NORTH	G37D	PAGEL PIT
04071575-6	PAGEL/NORTH	G39S	PAGEL PIT
04071575-7	PAGEL/NORTH	G41S	PAGEL PIT
04071575-8	PAGEL/NORTH	G41M	PAGEL PIT
04071575-9	PAGEL/NORTH	G41D	PAGEL PIT
04071575-10	PAGEL/NORTH	G119	PAGEL PIT
04071575-11	PAGEL/NORTH	SG1	PAGEL PIT
04071575-12	PAGEL/NORTH	SG3	PAGEL PIT
04071575-13	PAGEL/NORTH	SG4	PAGEL PIT

Certified by: Dorothy W. Rothert
Dorothy W. Rothert, Project Manager

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Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998294430)
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

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Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-1
Client ID: PAGEL/NORTH
Site: G17S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 09:21

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		31.	mg/l	08-Jul-04 10:49	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 09:57	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	12-Jul-04 13:48	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		3.2	mg/l	08-Jul-04 10:49	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	13-Jul-04 08:53	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		55.	mg/l	08-Jul-04 10:49	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		470	mg/l	09-Jul-04 10:06	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		32.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved		20.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	13-Jul-04 15:12	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:12	MLO
Manganese, Dissolved	<	1.0	ug/l	13-Jul-04 15:12	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:12	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:12	MLO

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Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-2
Client ID: PAGEL/NORTH
Site: G18S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 10:56

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		15.	mg/l	08-Jul-04 11:27	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 09:57	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	12-Jul-04 13:49	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.44	mg/l	08-Jul-04 11:08	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	13-Jul-04 08:54	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		110	mg/l	13-Jul-04 21:47	PLI
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		490	mg/l	09-Jul-04 10:06	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		98.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	13-Jul-04 15:15	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:15	MLO
Manganese, Dissolved		170	ug/l	13-Jul-04 15:15	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:15	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:15	MLO

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Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-3
Client ID: PAGEL/NORTH
Site: G18D
Locator: PAGEL PIT
Collect Date: 07-JUL-04 11:09

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		27.	mg/l	08-Jul-04 12:43	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 09:58	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	12-Jul-04 13:50	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		7.2	mg/l	08-Jul-04 12:43	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	13-Jul-04 08:55	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		26.	mg/l	08-Jul-04 12:43	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		370	mg/l	09-Jul-04 10:07	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		12.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved		10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	13-Jul-04 15:19	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:19	MLO
Manganese, Dissolved	<	1.0	ug/l	13-Jul-04 15:19	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:19	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:19	MLO

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Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-4
Client ID: PAGEL/NORTH
Site: G37S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 08:37

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		72.	mg/l	08-Jul-04 13:21	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 09:59	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.75	mg/l	12-Jul-04 13:51	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.55	mg/l	08-Jul-04 13:02	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	13-Jul-04 08:56	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		43.	mg/l	08-Jul-04 13:21	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		520	mg/l	09-Jul-04 10:07	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		82.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	13-Jul-04 15:29	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:29	MLO
Manganese, Dissolved		2.9	ug/l	13-Jul-04 15:29	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:29	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:29	MLO

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Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-5
Client ID: PAGEL/NORTH
Site: G37D
Locator: PAGEL PIT
Collect Date: 07-JUL-04 08:30

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		47.	mg/l	08-Jul-04 13:59	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 10:00	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	12-Jul-04 13:52	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		8.0	mg/l	08-Jul-04 13:59	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	13-Jul-04 09:08	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		26.	mg/l	08-Jul-04 13:59	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		410	mg/l	09-Jul-04 10:07	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		15.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	13-Jul-04 15:33	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:33	MLO
Manganese, Dissolved		4.1	ug/l	13-Jul-04 15:33	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:33	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:33	MLO

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Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-6
Client ID: PAGEL/NORTH
Site: G39S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 10:25

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		100	mg/l	13-Jul-04 22:06	PLI
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 10:02	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		8.4	mg/l	12-Jul-04 13:55	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.065	mg/l	08-Jul-04 14:18	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:19	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		28.	mg/l	08-Jul-04 14:37	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		690	mg/l	09-Jul-04 10:07	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		130	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved		1.1	ug/l	13-Jul-04 15:37	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:37	MLO
Manganese, Dissolved		440	ug/l	13-Jul-04 15:37	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:37	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:37	MLO

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Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-7
Client ID: PAGEL/NORTH
Site: G41S
Locator: PAGEL PIT
Collect Date: 07-JUL-04 09:56

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		150	mg/l	13-Jul-04 22:25	PLI
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 10:03	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		87.	mg/l	12-Jul-04 14:37	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	08-Jul-04 14:56	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:22	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		20.	mg/l	08-Jul-04 15:15	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		580	mg/l	09-Jul-04 10:07	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		500	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved		4500	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved		32.	ug/l	13-Jul-04 15:40	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:40	MLO
Manganese, Dissolved		48.	ug/l	13-Jul-04 15:40	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:40	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:40	MLO

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-8
Client ID: PAGEL/NORTH
Site: G41M
Locator: PAGEL PIT
Collect Date: 07-JUL-04 09:36

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		260	mg/l	13-Jul-04 22:44	PLI
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 10:04	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		36.	mg/l	12-Jul-04 14:39	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.075	mg/l	08-Jul-04 15:34	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:24	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		25.	mg/l	08-Jul-04 16:30	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		980	mg/l	09-Jul-04 10:07	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		360	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved		3300	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved		12.	ug/l	13-Jul-04 15:44	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:44	MLO
Manganese, Dissolved		720	ug/l	13-Jul-04 15:44	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:44	MLO
Zinc, Dissolved		23.	ug/l	13-Jul-04 15:44	MLO

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Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-9
Client ID: PAGEL/NORTH
Site: G41D
Locator: PAGEL PIT
Collect Date: 07-JUL-04 10:09

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		17.	mg/l	08-Jul-04 17:08	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 10:09	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	12-Jul-04 14:15	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		5.0	mg/l	08-Jul-04 17:08	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:25	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		25.	mg/l	08-Jul-04 17:08	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		350	mg/l	09-Jul-04 10:07	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		12.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved		43.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	13-Jul-04 15:48	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:48	MLO
Manganese, Dissolved		21.	ug/l	13-Jul-04 15:48	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:48	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:48	MLO

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Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-10
Client ID: PAGEL/NORTH
Site: G119
Locator: PAGEL PIT
Collect Date: 07-JUL-04 09:04

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		23.	mg/l	08-Jul-04 17:46	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	14-Jul-04 10:10	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	12-Jul-04 14:16	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	35.	mg/l	12-Jul-04 12:58	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:26	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		13.	mg/l	08-Jul-04 17:46	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		390	mg/l	09-Jul-04 10:09	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	13-Jul-04 15:52	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:52	MLO
Manganese, Dissolved	<	1.0	ug/l	13-Jul-04 15:52	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:52	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:52	MLO

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Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-11
Client ID: PAGEL/NORTH
Site: SG1
Locator: PAGEL PIT
Collect Date: 07-JUL-04 09:49

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		36.	mg/l	08-Jul-04 18:24	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	16-Jul-04 14:43	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.53	mg/l	12-Jul-04 14:17	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		12.	mg/l	08-Jul-04 18:24	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	P	0.0074	mg/l	19-Jul-04 09:36	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		55.	mg/l	08-Jul-04 18:24	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		420	mg/l	09-Jul-04 10:09	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		28.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved		1.4	ug/l	13-Jul-04 15:56	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 15:56	MLO
Manganese, Dissolved		25.	ug/l	13-Jul-04 15:56	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 15:56	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 15:56	MLO

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Laboratory Results

Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-12
Client ID: PAGEL/NORTH
Site: SG3
Locator: PAGEL PIT
Collect Date: 07-JUL-04 10:41

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		35.	mg/l	08-Jul-04 19:02	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	16-Jul-04 14:46	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	12-Jul-04 14:18	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		12.	mg/l	08-Jul-04 19:02	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / K2A METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:32	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		54.	mg/l	08-Jul-04 19:02	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		420	mg/l	09-Jul-04 10:09	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		24.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved		1.1	ug/l	13-Jul-04 16:16	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 16:16	MLO
Manganese, Dissolved		8.0	ug/l	13-Jul-04 16:16	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 16:16	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 16:16	MLO

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 04071575

Sample No: 04071575-13
Client ID: PAGEL/NORTH
Site: SG4
Locator: PAGEL PIT
Collect Date: 07-JUL-04 08:45

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		36.	mg/l	08-Jul-04 20:18	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	16-Jul-04 14:47	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.37	mg/l	12-Jul-04 14:19	lgtara
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		12.	mg/l	08-Jul-04 20:18	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	16-Jul-04 12:33	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		53.	mg/l	08-Jul-04 20:18	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		410	mg/l	09-Jul-04 10:09	KJB/BH
SW-846 METHOD 6010B					
Boron, Dissolved		27.	ug/l	08-Jul-04 13:00	KJP
Iron, Dissolved	<	10.	ug/l	08-Jul-04 13:00	KJP
SW-846 METHOD 6020					
Arsenic, Dissolved		1.2	ug/l	13-Jul-04 16:20	MLO
Cadmium, Dissolved	<	1.0	ug/l	13-Jul-04 16:20	MLO
Manganese, Dissolved		16.	ug/l	13-Jul-04 16:20	MLO
Lead, Dissolved	<	1.0	ug/l	13-Jul-04 16:20	MLO
Zinc, Dissolved	<	6.0	ug/l	13-Jul-04 16:20	MLO

DATA QUALIFIERS APPLICABLE TO THE "STANDARD QC" PROGRAM

A The presence of this analyte was confirmed using a second column but there was a disparity (> 40% RPD) between the two sets of results with no apparent chromatographic anomalies. The lower of the two results was reported.

B _____ present in the method blank at _____.

C The batch control sample failed to meet the required acceptance criteria.

D Result obtained through analysis of a sample dilution.

E Concentration exceeds the instrument calibration range.

F Internal standard area failed to meet the required acceptance criteria in duplicate analyses. Results should be interpreted as estimated concentrations.

G The Method of Standard Additions (MSA) was used to quantify the concentration.

H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

J Estimated value; value between the MDL and the RDL.

M Analyte failed to meet the required acceptance criteria for duplicate analysis.

P Chemical preservation discrepancy noted at the time of analysis.

Q Analyte failed to meet the required acceptance criteria for spike recovery in the Matrix Spike (MS) and Matrix Spike Duplicate (MSD) due to apparent matrix effects.

R Analyte failed to meet the required acceptance criteria for relative percent difference (RPD) between the Matrix Spike and Matrix Spike Duplicate (MS/MSD).

S Surrogate compound diluted below a reliable quantitation level.

T Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis, also. Results should be interpreted as estimated concentrations.

U Parameter was analyzed for, but not detected above the reporting limit.

V Verification standard recovery failed to meet the required acceptance criteria.

W Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) beyond the maximum allowable hold time, and re-analyzed. The surrogate recovery was within the required acceptance criteria on this second analysis.

NA Not analyzed.

NR Not requested.

X Miscellaneous; see comments.

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Report Cover Page

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 04071764

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested. This report contains 4 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04071764-1	PAGEL/NORTH/LCH	L313	PAGEL PIT
04071764-2	PAGEL/NORTH/LCH	L315	PAGEL PIT

Certified by: Dorothy W. Rothert
Dorothy W. Rothert, Project Manager

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State of Illinois Certification for Bacteriological Analysis in Drinking Water -Lab Registry No. 17533
Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998294430)
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 04071764

Sample No: 04071764-1
Client ID: PAGEL/NORTH/LCH
Site: L313
Locator: PAGEL PIT
Collect Date: 08-JUL-04 09:19

Parameter		Result	Units	Date	By
SM METHOD 5210 B					
Biochemical Oxygen Demand		970	mg/l	09-Jul-04 10:02	JK/JAM
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<P	0.0050	mg/l	16-Jul-04 15:02	lgjfa
SM METHOD 5220 D					
Chemical Oxygen Demand		14000	mg/l	14-Jul-04 09:00	JAM
SM METHOD 3500 Cr D / SW-846 METHOD 7196A					
Chromium, Hexavalent	<	0.50	mg/l	08-Jul-04 16:09	JK
SM METHOD 4500 F C					
Fluoride		1.8	mg/l	12-Jul-04 08:10	ESH
EPA METHOD 1664 rev. February 1999					
Hexane Ext. Material (HEM) by SPE		58.	mg/l	14-Jul-04 09:00	JS
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N		4000	mg/l	12-Jul-04 15:34	lgtara
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	P	0.85	mg/l	19-Jul-04 09:55	lgjfa
SM METHOD 2540 C					
Solids, Total Dissolved		15000	mg/l	13-Jul-04 09:50	KJB/BA
SM METHOD 2540 D					
Solids, Total Suspended		100	mg/l	14-Jul-04 11:32	KJB
SW-846 METHOD 3015					
Sample Preparation				12-Jul-04 11:30	DAB
SW-846 METHOD 6010B					
Iron		6.1	mg/l	12-Jul-04 14:00	KJP
SW-846 METHOD 6020					
Silver	<	0.0050	mg/l	14-Jul-04 11:38	MLO
Arsenic		0.85	mg/l	14-Jul-04 11:38	MLO
Barium		0.54	mg/l	14-Jul-04 11:38	MLO
Cadmium		0.0010	mg/l	14-Jul-04 11:38	MLO
Chromium		1.1	mg/l	14-Jul-04 11:38	MLO
Copper		0.034	mg/l	16-Jul-04 09:18	MLO
Mercury		0.0032	mg/l	14-Jul-04 11:38	MLO
Manganese		0.040	mg/l	14-Jul-04 11:38	MLO

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 04071764

Sample No: 04071764-1
Client ID: PAGEL/NORTH/LCH
Site: L313
Locator: PAGEL PIT
Collect Date: 08-JUL-04 09:19

Parameter		Result	Units	Date	By
Nickel		0.88	mg/l	14-Jul-04 11:38	MLO
Phosphorus		27.	mg/l	14-Jul-04 11:38	MLO
Lead		0.016	mg/l	14-Jul-04 11:38	MLO
Zinc		0.067	mg/l	14-Jul-04 11:38	MLO
SM METHOD 9222 D					
Fecal Coliform	<	10	cfu/100 ml	08-Jul-04 16:00	JMM

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 04071764

Sample No: 04071764-2
Client ID: PAGEL/NORTH/LCH
Site: L315
Locator: PAGEL PIT
Collect Date: 08-JUL-04 10:35

Parameter		Result	Units	Date	By
SM METHOD 5210 B					
Biochemical Oxygen Demand	H	2500	mg/l	14-Jul-04 16:05	JK/JAM
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<P	0.0050	mg/l	16-Jul-04 15:06	lgjfa
SM METHOD 5220 D					
Chemical Oxygen Demand		8200	mg/l	14-Jul-04 09:00	JAM
SM METHOD 1500 Cr D / SW-846 METHOD 7196A					
Chromium, Hexavalent	<	0.50	mg/l	08-Jul-04 16:09	JK
SM METHOD 4500 F C					
Fluoride		1.7	mg/l	12-Jul-04 08:10	ESH
EPA METHOD 1664 rev. February 1999					
Hexane Ext. Material (HEM) by SPE		8.8	mg/l	14-Jul-04 09:00	JS
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N		3400	mg/l	12-Jul-04 15:37	lgtara
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	P	1.6	mg/l	19-Jul-04 09:41	lgjfa
SM METHOD 2540 C					
Solids, Total Dissolved		14000	mg/l	13-Jul-04 09:50	KJB/BA
SM METHOD 2540 D					
Solids, Total Suspended		7.3	mg/l	14-Jul-04 11:32	KJB
SW-846 METHOD 3015					
Sample Preparation				12-Jul-04 11:30	DAB
SW-846 METHOD 6010B					
Iron		7.7	mg/l	12-Jul-04 14:00	KJP
SW-846 METHOD 6020					
Silver	<	0.0050	mg/l	14-Jul-04 11:44	MLO
Arsenic		0.83	mg/l	14-Jul-04 11:44	MLO
Barium		0.58	mg/l	14-Jul-04 11:44	MLO
Cadmium	<	0.0010	mg/l	14-Jul-04 11:44	MLO
Chromium		0.65	mg/l	14-Jul-04 11:44	MLO
Copper		0.037	mg/l	16-Jul-04 09:23	MLO
Mercury	<	0.00020	mg/l	14-Jul-04 11:44	MLO
Manganese		0.023	mg/l	14-Jul-04 11:44	MLO

PDC Laboratories, Inc.
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(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

ACCREDITED IN ACCORDANCE WITH nelac

Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 08-Jul-04
Date Reported: 05-Aug-04
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 04071764

Sample No: 04071764-2
Client ID: PAGEL/NORTH/LCH
Site: L315
Locator: PAGEL PIT
Collect Date: 08-JUL-04 10:35

Parameter		Result	Units	Date	By
Nickel		0.61	mg/l	14-Jul-04 11:44	MLO
Phosphorus		21.	mg/l	14-Jul-04 11:44	MLO
Lead		0.0096	mg/l	14-Jul-04 11:44	MLO
Zinc		0.054	mg/l	14-Jul-04 11:44	MLO
SM METHOD 9222 D					
Fecal Coliform	<	10	cfu/100 ml	08-Jul-04 16:00	JMM

DATA QUALIFIERS APPLICABLE TO THE "STANDARD QC" PROGRAM

A The presence of this analyte was confirmed using a second column but there was a disparity (> 40% RPD) between the two sets of results with no apparent chromatographic anomalies. The lower of the two results was reported.

B _____ present in the method blank at _____.

C The batch control sample failed to meet the required acceptance criteria.

D Result obtained through analysis of a sample dilution.

E Concentration exceeds the instrument calibration range.

F Internal standard area failed to meet the required acceptance criteria in duplicate analyses. Results should be interpreted as estimated concentrations.

G The Method of Standard Additions (MSA) was used to quantify the concentration.

H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

J Estimated value; value between the MDL and the RDL.

M Analyte failed to meet the required acceptance criteria for duplicate analysis.

P Chemical preservation discrepancy noted at the time of analysis.

Q Analyte failed to meet the required acceptance criteria for spike recovery in the Matrix Spike (MS) and Matrix Spike Duplicate (MSD) due to apparent matrix effects.

R Analyte failed to meet the required acceptance criteria for relative percent difference (RPD) between the Matrix Spike and Matrix Spike Duplicate (MS/MSD).

S Surrogate compound diluted below a reliable quantitation level.

T Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis, also. Results should be interpreted as estimated concentrations.

U Parameter was analyzed for, but not detected above the reporting limit.

V Verification standard recovery failed to meet the required acceptance criteria.

W Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) beyond the maximum allowable hold time, and re-analyzed. The surrogate recovery was within the required acceptance criteria on this second analysis.

NA Not analyzed.

NR Not requested.

X Miscellaneous; see comments.

Pagel North Unit 3rd 2004 (July 7-8)												
Well ID	Top of Casing	Gr. Surf. Ele.	Stick-up(meas)	Well Depth(FS)	Depth to Water(FS)	Depth to H2O (LS)	Ele. of GW Surf.	BTM well Ele.	pH	Spec Cond	Temp	
											deg C	deg F
G03M	749.61	748.60	1.01	72.40	42.50	41.49	707.11	677.21	7.27	680	14.0	57.2
R03S	750.93	748.00	2.93	52.63	44.00	41.07	706.93	698.30	6.67	1200	16.0	60.8
G09D	760.63	758.80	1.83	81.55	40.24	38.41	720.39	679.08	6.35	1410		56.7
G09M	760.88	758.70	2.18	50.60	40.90	38.72	719.98	710.28	6.53	1840		57.0
G119	720.18	718.10	2.08	22.57	13.11	11.03	707.07	697.61	7.48	680	14.0	57.2
G130	715.21	711.40	3.81	16.10	6.95	3.14	708.26	699.11	7.01	780		53.1
G13D	756.48	753.39	3.09	71.91	39.10	36.01	717.38	684.57	6.45	1640		54.0
G13S	756.69	754.50	2.19	45.89	39.35	37.16	717.34	710.80	6.40	1070		57.2
G14D	757.88	755.90	1.98	47.91	39.01	37.03	718.87	709.97	6.42	1665		57.1
G15S	746.13	743.20	2.93	47.55	38.16	35.23	707.97	698.58	7.19	1820	14.0	57.2
G16D	712.79	711.50	1.29	96.99	8.03	6.74	704.76	615.80	7.57	635		56.3
G16M	713.89	711.10	2.79	45.19	7.25	4.46	706.64	668.70	7.70	800		57.4
G17S	723.17	722.10	1.07	25.90	15.90	14.83	707.27	697.27	7.26	797	11.9	53.4
G18D	718.09	716.10	1.99	45.20	10.44	8.45	707.65	672.89	7.32	669	13.0	55.4
G18S	717.61	715.30	2.31	17.22	10.88	8.57	706.73	700.39	7.31	736	15.3	59.5
G20D	758.44	755.70	2.74	150.01	35.70	32.96	722.74	608.43	6.75	700		53.6
G33D	714.34	711.20	3.14	49.38	7.56	4.42	706.78	664.96	6.86	735		54.9
G33S	713.49	711.50	1.99	19.97	6.88	4.89	706.61	693.52	7.00	705		57.0
G34D	713.49	709.90	3.59	64.62	6.99	3.40	706.50	648.87	7.18	1035		52.9
G34S	712.47	709.80	2.67	19.74	3.62	0.95	708.85	692.73	6.35	900		56.4
G35D	714.16	711.40	2.76	50.17	7.38	4.62	706.78	663.99	7.07	1110		55.8
G35S	714.07	711.30	2.77	19.95	7.30	4.53	706.77	694.12	7.26	970		56.0
G36S	713.20	711.50	1.70	39.81	3.99	2.29	709.21	673.39	6.69	770		52.3
G37D	711.01	708.40	2.61	81.77	4.40	1.79	706.61	629.24	7.31	746	11.9	53.4
G37S	710.87	708.50	2.37	17.61	5.81	3.44	705.06	693.26	7.27	891	12.2	54.0
G38S	718.02	714.00	4.02	32.60	9.62	5.60	708.40	685.42	6.72	1430		54.1
G39S	732.25	730.00	2.25	53.49	25.08	22.83	707.17	678.76	6.83	1199	13.3	55.9
G40S	735.68	733.70	1.98	38.74	27.77	25.79	707.91	696.94	6.70	1110	14.0	57.2
G41D	727.59	725.40	2.19	101.60	20.44	18.25	707.15	625.99	7.09	717	15.5	59.9
G41M	725.79	724.70	1.09	61.50	18.21	17.12	707.58	664.29	7.01	1587	15.1	59.2
G41S	727.59	725.00	2.59	37.79	20.31	17.72	707.28	689.80	7.07	1548	17.1	62.8
R42S	724.80	722.30	2.50	20.17	15.21	12.71	709.59	704.63	6.47	1620		54.2
L313					96.50				7.88	28000*	32.0	89.6
L314				Dry	0.83							
L315					0				7.82	27000*	33.0	91.4
L316				Dry	0							
SG1									7.45	720	19.2	66.6
SG3									7.61	712	19.4	66.9
SG4									7.44	713	19.0	66.2
* Done in lab												
										7/14/04		

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit ~ North Unit**

Monitoring Well/Point GO3M Date: 7-7-04 Start Time: 12:20

Field Personnel: R. Zinser Finish Time: 12:35

Well Depth (Bottom) From MP: 72.40 ft

Depth to Water From MP (Prepurges) 42.50 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Cloudy 60F Winds 10mph NW

Environment: Dirt & Next to Haul Road

Remarks/Well Condition:

Time Collected Unfiltered:		Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
12:35	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective ~~poles~~ Rocks	X	
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?		X
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.28	690	14°c
2nd Vol			7.28	690	14°c
3rd Vol			7.27	680	14°c

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit – North Unit**

Monitoring Well/Point R035 Date: 7-7-04 Start Time: 12:05

Field Personnel: R. Zinser Finish Time: 12:20

Well Depth (Bottom) From MP: 52.63 ft

Depth to Water From MP (Prepurges) 44.00 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Cloudy 60° Winds 10mph NW

Environment: Dirt & Next to Haul Road

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
12:20	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective ~~posts~~? Locks	X	
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.64	1210	16 °C
2nd Vol			6.65	1270	16 °C
3rd Vol			6.67	1200	16 °C

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G09D Date: 4/7/4 Start Time: 12/30

Field Personnel: [illegible] Finish Time: 14 45

Well Depth (Bottom) From MP: 81.55 ft

Depth to Water From MP (Prepurges) 20.24 ft Well Water Volume: ______ gal

Water Column Length: ______ ft Water Evacuated: ______ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Trace

Weather: Partly Sunny 60°F Wind N.W 5-10 m/h

Environment: Mowed Grass

Remarks/Well Condition: ______

Parameter (5)

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
1445	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		✓
2. Does well have protective posts?	✓	
3. Is the protective casing locked and does key work?	✓	
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?	✓	
10. Is the surface seal free of cracks?	✓	
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?		✓
13. Any obstruction or kinks in the well?		✓
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics Y / N

Time	Collected	Parameter
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol		6.54	~~[illegible]~~	1465	56.5
2nd Vol		6.34		1420	56.7
3rd Vol		6.35		1410	56.7

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** – n

Monitoring Well/Point 09m Date: 7/7/4 Start Time: 12 10

Field Personnel: DMB Finish Time: 12 25

Well Depth (Bottom) From MP: 56.60 ft

Depth to Water From MP (Prepurges) 40.90 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Trace

Weather: Partly Sunny 65°F Wind NE 5mph

Environment: Mowed grass

Remarks/Well Condition: 5

Time Collected		Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
1427	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.51	1860	57.4
2nd Vol			6.51	1840	57.2
3rd Vol			6.53	1840	57.0

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DMBurns

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G119 Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 9:04

Well Depth (Bottom) From MP: 22.57 ft

Depth to Water From MP (Prepurges) 13.11 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: Cloudy 65°

Environment: WOOD NEXT TO FARM FIELD

Remarks/Well Condition: PASSIVE SAMPLE

Time Collected		Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.48	680	14
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit N

Monitoring Well/Point G.130 Date: 7/7/4 Start Time: 12:40

Field Personnel: DmB Finish Time: 1255

Well Depth (Bottom) From MP: 16.10 ft

Depth to Water From MP (Prepurges) 6.95 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: Low 7 gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: none Color: clear Turbidity: clear

Weather: Cloudy 65°F Wind N-W 5-10 mph

Environment: tall Grass / Woods

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
1257	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.02	775	53.8
2nd Vol			7.01	770	53.6
3rd Vol			7.01	780	53.1

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DmB

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point G-14-D Date: 7/7/4 Start Time: 13 50

Field Personnel: DMB Finish Time: 14 05

Well Depth (Bottom) From MP: 47.91 ft

Depth to Water From MP (Prepurges) 39.01 ft Well Water Volume: ______ gal

Water Column Length: ______ ft Water Evacuated: ______ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sampled with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Trace

Weather: Cloudy 68°? Wind N.W 5-10 mph

Environment: Dry Grass

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
14:05	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics Y / N

	Collected	Parameter
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.71	1767	57.9
2nd Vol			6.40	1710	57.6
3rd Vol			6.40	1690	57.4
			6.42	1665	57.1

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DMB (signature)

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit – North Unit**

Monitoring Well/Point G15S Date: 7-7-04 Start Time: 13:00

Field Personnel: R. Zinser Finish Time: 13:15

Well Depth (Bottom) From MP: 47.55 ft

Depth to Water From MP (Prepurges) 38.16 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Cloudy 62°F Winds 10 mph NW

Environment: GRASS – Next to Haul Road

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
13:15	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?	X	
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?		X
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.19	1820	14°C
2nd Vol			7.20	1820	14°C
3rd Vol			[redacted]	1820	14°C
			7.19		

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point MW D Date: 7/8/4 Start Time: 1055

Field Personnel: DMB / JTM Finish Time: 1105

Well Depth (Bottom) From MP: 96.99 ft

Depth to Water From MP (Prepurges) 8.03 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Clear

Weather: Sunny 70°F

Environment: Tall Grass

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (15)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
1107	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.61	645	57.4
2nd Vol			7.59	630	56.9
3rd Vol			7.57	635	56.3

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DMB

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point 4M Date: 7/8/4 Start Time: 1040

Field Personnel: DmB Finish Time: 1050

Well Depth (Bottom) From MP: 45.19 ft

Depth to Water From MP (Prepurges) 7.25 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Heavy

Weather: Sunny 60°F

Environment: Tall grass / dry grass

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
1050	Y / N	CN- (250 mL)
1050	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics Y / N

	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.76	900	59.9
2nd Vol			7.74	990	58.8
3rd Vol			7.90	800	57.1

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DmB

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G17S Date: 7-7-04 Start Time: _____

Field Personnel: TM Finish Time: 9:21

Well Depth (Bottom) From MP: 25.90 ft

Depth to Water From MP (Prepurges) 15.90 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: Cloudy 65°

Environment: WOOD'S NEXT TO FARM FIELD

Remarks/Well Condition: _____

Time Unfiltered:	Collected 5	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) N	Phenol (250 mL)
	(Y) N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	✓	
2. Does well have protective posts?		✓
3. Is the protective casing locked and does key work?		✓
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?	✓	
10. Is the surface seal free of cracks?	✓	
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?	✓	
13. Any obstruction or kinks in the well?		✓
14. Does bladder pump & appurtenances work properly?	✓	
15. Is there any evidence of natural contamination?		✓
16. Any presence of water in annular space?		✓
17. Has well or protective casing been recently painted?		✓
18. Any grease/unnatural substances on the top of well?		✓
19. Are there weep holes at the bottom of casing?		✓

Filtered: Field Filtered Inorganics Y / N

	(Y) N	Metals (500 mL)
	(Y) N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.28	768	12.4
2nd Vol			7.28	793	12.2
3rd Vol			7.26	797	11.9

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit

Monitoring Well/Point G18D Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 11:09

Well Depth (Bottom) From MP: 45.20 ft

Depth to Water From MP (Prepurges) 10.44 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: GRAY Turbidity: SLIGHT

Weather: Cloudy 65° West wind High

Environment: TALL WEEDS/DITCH

Remarks/Well Condition: _____

Time Unfiltered:	Collected	Parameter
	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) / N

(Y) / N	Metals (500 mL)
(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.32	683	13.8
2nd Vol			7.33	678	13.5
3rd Vol			7.32	669	13

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G185 Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 10:56

Well Depth (Bottom) From MP: 17.22 ft

Depth to Water From MP (Prepurges) 10.88 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sampled with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: BROWN Turbidity: SL MODERATE

Weather: Cloudy 65° West Wind 5mph

Environment: TALL WEED / DITCH

Remarks/Well Condition: FORMATION WATER

Time Collected		Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	N/A	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics Y / N

	N	Metals (500 mL)
	N	Ammonia/NO_2/NO_3 (500 mL)
	N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.31	736	15.3
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** – n

Monitoring Well/Point G-20-D Date: 9/7/4 Start Time: 1450

Field Personnel: DMB Finish Time: 1510

Well Depth (Bottom) From MP: ~~[illegible]~~ ft 50.01

Depth to Water From MP (Prepurges) 35.70 ft Well Water Volume: ______ gal

Water Column Length: ______ ft Water Evacuated: ______ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ___ Teflon Bailer ___ Waterra Y Bladder ___ Electric Pump ___ Other (specify)

Sampled with: ___ Teflon Bailer ___ Waterra Y Bladder ___ Electric Pump ___ Other (specify)

Sample Appearance: Odor: none Color: Clear Turbidity: trace

Weather: Cloudy 65°F Wind N.W 5

Environment: Tall grass

Remarks/Well Condition:

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	
Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		✓
3. Is the protective casing locked and does key work?	✓	
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?	✓	
10. Is the surface seal free of cracks?	✓	
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?		✓
13. Any obstruction or kinks in the well?		✓
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.76	770	55.9
2nd Vol			6.77	700	54.7
3rd Vol			6.75	700	53.6

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point 33D Date: 7/8 Start Time: 1225

Field Personnel: DMB / JTM Finish Time:

Well Depth (Bottom) From MP: 49.38 ft

Depth to Water From MP (Prepurges) 7.56 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: none Color: Clear Turbidity: trace

Weather: Sunny 70°F

Environment: Tall Grass

Remarks/Well Condition:

Time Collected		Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.84	730	55.4
2nd Vol			6.85	730	55
3rd Vol			6.86	735	54.9

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DMBurn

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit N

Monitoring Well/Point 33D Date: 7/8 Start Time: 1225

Field Personnel: JMB / JTM Finish Time:

Well Depth (Bottom) From MP: 49.38 ft

Depth to Water From MP (Prepurges) 7.56 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: none Color: Clear Turbidity: trace

Weather: Sunny 70°F

Environment: Tall Grass

Remarks/Well Condition:

Time Collected		Parameter
Unfiltered:		
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	Y / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:		Field Filtered Inorganics Y / N
_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.84	730	55.4
2nd Vol			6.85	730	55
3rd Vol			6.86	735	54.9

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: JM Brown

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** M

Monitoring Well/Point 33s Date: 7/8 Start Time: 1220

Field Personnel: JMB / JTM Finish Time: 1223

Well Depth (Bottom) From MP: 19.97 ft

Depth to Water From MP (Prepurges) 6.88 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Hazy

Weather: Sunny 70°F

Environment: Tall Grass

Remarks/Well Condition:

Time Collected Unfiltered:		Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
1223	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.95	700	58.1
2nd Vol			6.97	705	59.4
3rd Vol			7.00	705	57

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: JMBrun

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pike Landfill — N

Monitoring Well/Point 34D Date: 9/8/04 Start Time: 11:25

Field Personnel: DmB/JTm Finish Time: 1135

Well Depth (Bottom) From MP: 44.62 ft

Depth to Water From MP (Prepurges) 6.99 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra Y Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Excess

Weather: Sunny 70°F

Environment: Tall grass

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
1137	(Y) / N	Phenol (250 mL)
1137	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		Y
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics Y / N

	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.32	1020	53.2
2nd Vol			7.16	1030	53
3rd Vol			7.18	1035	52.9

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point 3c/s Date: 7/8/4 Start Time: 1110

Field Personnel: JMB/JTM Finish Time: 1123

Well Depth (Bottom) From MP: 19.74 ft

Depth to Water From MP (Prepurges) 3.62 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Low

Weather: Sunny 70°F

Environment: Tall grass

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter 5
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
1123	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	√	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.33	870	57
2nd Vol			6.34	910	56.5
3rd Vol			6.35	900	56.2

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: JMBurns

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** n

Monitoring Well/Point 35-D Date: 7/8/4 Start Time: 11:55

Field Personnel: Dug/Jim Finish Time: 12:10

Well Depth (Bottom) From MP: 50.17 ft

Depth to Water From MP (Prepurges) 7.38 ft Well Water Volume: ______ gal

Water Column Length: ______ ft Water Evacuated: ______ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sampled with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: [illegible]

Weather: Sunny 75°F

Environment: Tall grass

Remarks/Well Condition: (5)

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
12:10	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	
Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	X
5. Does well cap fit securely?	X	X
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.24	1040	56.1
2nd Vol			7.05	1200	56
3rd Vol			7.07	1110	55.8

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point 355 Date: 9/8/04 Start Time: 1140

Field Personnel: JMB Finish Time: 1152

Well Depth (Bottom) From MP: 19.74 ft

Depth to Water From MP (Prepurges) 9.30 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft; 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra 1 Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: trace

Weather: Storming 70°F

Environment: Tall grass

Remarks/Well Condition: (5)

Time Collected		Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		1

Amb

Filtered: Field Filtered Inorganics Y / N

	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.15	950	56.5
2nd Vol			7.25	960	56.1
3rd Vol			7.20	970	56

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit - N**

Monitoring Well/Point G36s Date: 9/7/04 Start Time: 1220

Field Personnel: DwB Finish Time: 1235

Well Depth (Bottom) From MP: 39.81 ft

Depth to Water From MP (Prepurges) 3.94 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra Y Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra Y Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: trace

Weather: Cloudy 65°F Wind N.W 5-10 mph

Environment: Tall grass

Remarks/Well Condition:

Time Collected		Parameter (5)
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) / N

	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.48	760	53.2
2nd Vol			6.67	770	52.5
3rd Vol			6.69	770	52.3

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DwB

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G37 D Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 8:30

Well Depth (Bottom) From MP: 21.77 ft

Depth to Water From MP (Prepurges) 4.40 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: TAN Turbidity: SLIGHT

Weather: Cloudy 65°

Environment: TALL GRASS / WOODS

Remarks/Well Condition: ANTS IN WELL

Time Unfiltered:	Collected 5	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) N	Phenol (250 mL)
	(Y) N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) N

_____	(Y) N	Metals (500 mL)
_____	(Y) N	Ammonia/NO_2/NO_3 (500 mL)
_____	(Y) N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.29	744	12.2
2nd Vol			7.33	743	12.1
3rd Vol			7.31	746	11.9

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G37S Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 8:37

Well Depth (Bottom) From MP: 17.61 ft

Depth to Water From MP (Prepurges) 5.81 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: Cloudy 65°

Environment: TALL GRASS / WOODS

Remarks/Well Condition: _____

Time Unfiltered:	Collected 5	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.19	900	12.2
2nd Vol			7.20	909	12.3
3rd Vol			7.27	891	12.2

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit N**

Monitoring Well/Point G 385 Date: 7/9/4 Start Time: 1305

Field Personnel: DMB Finish Time: 1320

Well Depth (Bottom) From MP: 32.60 ft

Depth to Water From MP (Prepurges) 9.62 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: Low 7 gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: none Color: clear Turbidity: trace

Weather: Cloudy 65-70 Wind 4-6 5-10 mph

Environment: Tall Grass

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
1321	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:	Field Filtered Inorganics Y / N
Y / N	Metals (500 mL)
Y / N	Ammonia/NO_2/NO_3 (500 mL)
Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		V
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	V	
6. Is the well cap vented?	V	
7. Does the area around the well appear clean?	V	
8. Is the casing secure?	V	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		V
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		N

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.02	1330	54.3
2nd Vol			6.74	1440	54.3
3rd Vol			6.72	1430	54.1

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point 639S Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 10:25

Well Depth (Bottom) From MP: 53.49 ft

Depth to Water From MP (Prepurges) 25.08 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra 2 Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra 2 Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: Cloudy 65

Environment: WEEDS ALONG GRAVEL ROAD

Remarks/Well Condition: WASP NEST IN CASING

Time Collected		Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?		X
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.83	1200	13.6
2nd Vol			6.83	1187	13.5
3rd Vol			6.83	1199	13.3

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit ~ North Unit

Monitoring Well/Point G40S Date: 7-7-04 Start Time: 12:40

Field Personnel: R. ZINGER Finish Time: 12:55

Well Depth (Bottom) From MP: 38.74 ft

Depth to Water From MP (Prepurges) 27.77 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Baller ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Cloudy 62F Winds 10mph NW

Environment: Grass Ditch

Remarks/Well Condition: _____

Time Collected Unfiltered:		Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
12:55	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics Y / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.52	1250	13°C
2nd Vol			6.67	1100	13°C
3rd Vol			6.70	1110	14°C

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G41D Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 10:09

Well Depth (Bottom) From MP: 101.60 ft

Depth to Water From MP (Prepurges) 20.44 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: TAN Turbidity: SLIGHT

Weather: Cloudy 65°

Environment: TALL WEED/WOODS

Remarks/Well Condition: _____

Time Collected		Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	✓	
2. Does well have protective posts?		✓
3. Is the protective casing locked and does key work?	✓	
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?	✓	
13. Any obstruction or kinks in the well?		✓
14. Does bladder pump & appurtenances work properly?	✓	
15. Is there any evidence of natural contamination?		✓
16. Any presence of water in annular space?		✓
17. Has well or protective casing been recently painted?		✓
18. Any grease/unnatural substances on the top of well?		✓
19. Are there weep holes at the bottom of casing?		✓

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.16	685	16
2nd Vol			7.17	681	15.5
3rd Vol			7.09	717	15.5

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G41 m Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 9:36

Well Depth (Bottom) From MP: 61.50 ft

Depth to Water From MP (Prepurges) 18.21 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra __X__ Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra __X__ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: ORGANIC Color: ORANGE Turbidity: MODERATE

Weather: Cloudy 65°

Environment: WOODS

Remarks/Well Condition: BLADDER PUMP NEEDS WORK

Time Collected		Parameter
Unfiltered:		5
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	(Y) N	Phenol (250 mL)
_____	(Y) N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) / N

_____	(Y) N	Metals (500 mL)
_____	(Y) N	Ammonia/NO_2/NO_3 (500 mL)
_____	(Y) N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.00	~~1470~~ 1495	15.1
2nd Vol			7.02	~~1495~~ 1587	15.2
3rd Vol			7.01	1587	15.1

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: Jtrudh

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G413 Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 9:56

Well Depth (Bottom) From MP: 37.79 ft

Depth to Water From MP (Prepurges) 20.31 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: ORGANIC Color: NONE Turbidity: SLIGHT

Weather: Cloudy 65°

Environment: WOODS

Remarks/Well Condition: _____

Time Collected		Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.06	1542	17.1
2nd Vol			7.08	1548	17.1
3rd Vol			7.07	1548	17.1

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point G-42 Date: 7/7/04 Start Time: 1155

Field Personnel: DMB Finish Time: 1210

Well Depth (Bottom) From MP: 20.17 ft

Depth to Water From MP (Prepurges) 15.21 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: Low flow gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: none Color: Clear Turbidity: trace

Weather: Cloudy 65°F Wind N.W 5.10 mph

Environment: Tall grass

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (3)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
1210	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	✓	
2. Does well have protective posts?		✓
3. Is the protective casing locked and does key work?		✓
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?	✓	
10. Is the surface seal free of cracks?	✓	
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?		✓
13. Any obstruction or kinks in the well?		✓
14. Does bladder pump & appurtenances work properly?	✓	
15. Is there any evidence of natural contamination?		✓
16. Any presence of water in annular space?		✓
17. Has well or protective casing been recently painted?		✓
18. Any grease/unnatural substances on the top of well?		✓
19. Are there weep holes at the bottom of casing?		✓

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.55	1550	55.6
2nd Vol			6.53	1570	55.4
3rd Vol			6.48	1610	54.3
			6.47	1620	54.2

Initial	Std	Read	Adjust
pH	4.00	4	4.00
	7.00	7	7.00
	10.00	10	10.00
Spec Con	1000	1000	1000

Sampler's Signature: DMB

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point SG-1 Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 9:49

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify) STONE

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: GRAY Turbidity: SLIGHT

Weather: Cloudy

Environment: CREEK

Remarks/Well Condition: _____

Time Collected		Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		NA
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.45	720	19.2
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point SG-3 Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 10:41

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) 9.17 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify) SHUTTLE

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: Cloudy 65° West Wind-15 mph

Environment: CREEK

Remarks/Well Condition: _____

Time Unfiltered:	Collected 5	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?	N/A	
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.61	712	19.4
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point SG-4 Date: 7-7-04 Start Time: _____

Field Personnel: JTM Finish Time: 8:45

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify) SHUTTLE

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify)

Sample Appearance: Odor: NONE Color: GRAY Turbidity: SLIGHT

Weather: Cloudy 65°

Environment: CREEK

Remarks/Well Condition: _____

Time Collected		Parameter
Unfiltered:		
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	Y / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:		Field Filtered Inorganics Y / N
_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?	NA	NA
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.44	713	19
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit – North Unit**

Monitoring Well/Point L 313 Date: 7-8-04 Start Time: 8:45

Field Personnel: R. Zinser Finish Time: 9:19

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) 96.50 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sampled with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: Strong Color: Brown Turbidity: Heavy

Weather: Sunny / 74F Winds 5mph SW

Environment: TALL WEEDS ~ Black Eyed Susan

Remarks/Well Condition: I removed well Head and measured with a DTW Meter, I Bailed well.

Time Collected		Parameter (8)
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
9:19	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	(Y) / N	Grease & Oil (1 L)
	(Y) / N	Metals (Total) (500 mL)
	(Y) / N	General (500 mL)
	(Y) / N	Ammonia (500 mL)
	(Y) / N	Fecal
	(Y) / N	Hexachrome

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.80	OK	32°C
2nd Vol					
3rd Vol					

lab spec cond. 28,000 DWR

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit - North Unit**

Monitoring Well/Point L314 Date: 7-8-04 Start Time: _____

Field Personnel: R. Zinser Finish Time: 10:25

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) 10.N * Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sampled with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sample Appearance: Odor: Color: Turbidity:

Weather: _____

~~Environmental~~: I measured well by using a QED Model 6020 RLLI, the reading

Remarks/Well Condition: read 10.N of Leachate Above Pump, but the levels were to low to collect any Sample - * UNABLE TO SAMPLE *

Time Collected		Parameter
Unfiltered:		
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	Y / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	
Filtered:		Field Filtered Inorganics Y / N
_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit - North Unit**

Monitoring Well/Point L 315 Date: 7-8-04 Start Time: 9:25

Field Personnel: R. Zinser Finish Time: ~~9~~ 10:35

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) 0 IN ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ ~~Electric~~ sub Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ ~~Electric~~ sub Pump ____ Other (specify)

Sample Appearance: Odor: Strong Color: Brown Turbidity: Heavy

Weather: Sunny 75F Winds 5mph SW

Environment: Tall Grass - Black Eyed Susan

Remarks/Well Condition: *Partial Sample * Irmeasured DTW with QED Model 6020 RLCI, the reading read 0IN of Leachate Above Pump. I made several attempts to collect all of sample but recharge was to low to collect all.

Time Collected Unfiltered:		Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
10:35	(Y) N	CN- (250 mL)
	(Y) N	Grease & Oil (1 L)
	(Y) N	Metals (Total) (500 mL)
	(Y) N	General (500 mL)
	(Y) N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.82	OR	33°C
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

lab spec cond 27,000 DWC

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** – North Unit

Monitoring Well/Point L 3/6 Date: 7-8-04 Start Time: _____

Field Personnel: R. Zinser Finish Time: 10:00

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) 0 in ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: Color: Turbidity:

Weather:

Environment:

Remarks/Well Condition: I measured DTW with QED Model 6020 RLLI, the reading read 0" in of Leachate Above pump. *Leachate WAS DRY*

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point FB#1 Date: 7-8-04 Start Time: _____

Field Personnel: JTM Finish Time: 8:50

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NM ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify) CARBOY

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: _____

Weather: SUNNY 60°

Environment: DIRT PARKING LOT

Remarks/Well Condition: DI WATER

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?	NM	
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol			NM		
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point EQUIP BLK Date: 7-8-04 Start Time: _____

Field Personnel: JIM Finish Time: 9:00

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5"-0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify) CARBOY

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: NONE

Weather: SUNNY 60°

Environment: DIRT PARKING LOT

Remarks/Well Condition: DI WATER

Time Collected		Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?	NA	NA
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

PDC Laboratories, Inc. P.O. Box 9071 Peoria, IL 61612-9071 Phone: 309-692-9688 Fax: 309-692-9689

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

(1) CLIENT: Peoria North
ADDRESS:
CITY, STATE, ZIP:
CONTACT PERSON:

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED
PHONE NUMBER | FAX NUMBER | DATE SHIPPED
SAMPLER: (PLEASE PRINT)
SAMPLER'S SIGNATURE:

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
OTHER:

(3) ANALYSIS REQUESTED

(4) (FOR LAB USE ONLY)
LOGIN #: 0407575-13
LOGGED BY:
LAB PROJ. #:
TEMPLATE:
PROJ. MGR.:

(2) SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	REMARKS
G 17 S	7/7	9:21	X		GW	5	
G 18 S		105C					
G 18 D		11:09					
C 37 S		837					
G 37 D		830					
G 39 S		1025					
G 41 S		95C					
G 41 M		93C					
G 41 D		1009					
G 119		904					
SG 1		949			SW	5	
SG 3		1041				1	

(5) TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

(6) *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.*

(7) RELINQUISHED BY: (SIGNATURE) DATE: 7-7 TIME:
RECEIVED BY: (SIGNATURE) DATE: 7-7-04 TIME: 16:35

RELINQUISHED BY: (SIGNATURE) DATE: 7-7-04 TIME: 13:15
RECEIVED AT LAB BY: (SIGNATURE) DATE: 7/7/04 TIME: 1515

(8) COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 5 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
BOTTLES RECEIVED IN GOOD CONDITION Y OR N
BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N

Copies: white & canary should accompany samples to PDC Labs. **Pink copy to be retained by the client.**

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT: Ford Motor Co

ADDRESS:

CITY:
STATE:
ZIP CODE:

CONTACT PERSON:

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED

PHONE NUMBER | FAX NUMBER | DATE SHIPPED

SAMPLER (PLEASE PRINT): D M Tibbs

SAMPLER'S SIGNATURE:

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
OTHER:

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN: 0407575
LOGGED BY: SMR
LAB PROJ. #:
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	REMARKS
SG 4	7/7/04	845	X		SW	5	

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.*

7 RELINQUISHED BY: (SIGNATURE) — DATE: 7-7-04 — TIME:
RECEIVED BY: (SIGNATURE) — DATE: 7-7-04 — TIME: 11:35

RELINQUISHED BY: (SIGNATURE) — DATE: 7-7-04 — TIME: 3:15
RECEIVED AT LAB BY: (SIGNATURE) — DATE: 7/7/04 — TIME: 15:25

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT: 5 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT: Y OR N
SAMPLE(S) RECEIVED ON ICE: Y OR N
BOTTLES RECEIVED IN GOOD CONDITION: Y OR N
BOTTLES FILLED WITH ADEQUATE VOLUME: Y OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S): Y OR N

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PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT: PAGEL — NORTH UNIT
ADDRESS:
CITY, STATE, ZIP:
CONTACT PERSON:
PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED
PHONE NUMBER | FAX NUMBER | DATE SHIPPED
SAMPLER (PLEASE PRINT): R. ENDER
SAMPLER'S SIGNATURE:

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
OTHER:

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 040717764-2
LOGGED BY: BP
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	REMARKS
L313	7-8-04	9:19	X		LCHT	8	
~~L314~~							
L315 - PARTIAL SAMPLE	7-8-04	10:35	X		LCHT	5	
~~L316~~							

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH — DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7 RELINQUISHED BY: (SIGNATURE) — DATE: 7-8-04 — TIME: 14:50
RECEIVED BY: (SIGNATURE) — DATE — TIME
RELINQUISHED BY: (SIGNATURE) — DATE — TIME
RECEIVED AT LAB BY: (SIGNATURE) J. Peterson — DATE: 7/8/04 — TIME: 14:50

8 COMMENTS: (FOR LAB USE ONLY)
SAMPLE TEMPERATURE UPON RECEIPT 5 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
BOTTLES RECEIVED IN GOOD CONDITION Y OR N
BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N

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PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED	3 ANALYSIS REQUESTED	4 (FOR LAB USE ONLY)
PACE – North Unit					LOGIN # 0407766022
ADDRESS:	PHONE NUMBER	FAX NUMBER	DATE SHIPPED		LOGGED BY: SM
CITY, ST, ZIP	SAMPLER (PLEASE PRINT): RGinder/JTM/DMB		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, OTHER:		LAB PROJ. #: TEMPLATE: PROJ. MGR.:
CONTACT PERSON:	SAMPLER'S SIGNATURE:				

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	REMARKS
R03s	7-7-04	12:20	X		GW	5	
G03M	7-7-04	12:35	X		GW	5	
G09M	7-7-04	14:25	X		GW	5	
G09D	7-7-04	14:45	X		GW	5	
G14D	7-7-04	14:05	X		GW	5	
G15s	7-7-04	13:55	X		GW	5	
16M	7-8-04	10:52	X		GW	5	
16D	7-8-04	11:07	X		GW	5	
G20D	7-7-04	15:10	X		GW	5	
G33s	7-8-04	12:23	X		GW	5	
G33D	7-8-04	12:25	X		GW	5	
G34s	7-8-04	11:23	X		GW	5	

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH — DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	7-7-04	1450			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED AT LAB BY: (SIGNATURE)	DATE	TIME
			S Ringer	7/8/04	1450

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 5 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
BOTTLES RECEIVED IN GOOD CONDITION Y OR N
BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N

Copies: white & canary should accompany samples to PDC Labs. Pink copy to be retained by the client.

PAGE _____ OF _____

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT: PAGEL - NORTH UNIT
ADDRESS:
CITY STATE ZIP:
CONTACT PERSON:

PROJECT NUMBER: | P.O. NUMBER: | MEANS SHIPPED:
PHONE NUMBER: | FAX NUMBER: | DATE SHIPPED:

SAMPLER (PLEASE PRINT): R Zinser / JTM / DMB
SAMPLER'S SIGNATURE: [signature]

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
OTHER: ______

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 0407176C
LOGGED BY: SDR
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	REMARKS
34D	7-8-04	11:35	X		GW	5	
35S	7-8-04	11:52	X		GW	5	
35D	7-8-04	12:10	X		GW	5	
G36S	7-7-04	12:35	X		GW	5	
G38S	7-7-04	13:20	X		GW	5	
G40S	7-7-04	12:55	X		GW	5	
~~642~~ R42S	7-7-04	12:10	X		GW	5	
G130	7-7-04	12:55	X		GW	5	

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
DATE RESULTS NEEDED
FAX # IF DIFFERENT FROM ABOVE:
PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* ______

7 RELINQUISHED BY: (SIGNATURE) [signature] DATE 7-8-04 TIME 14:50
RECEIVED BY: (SIGNATURE) DATE TIME
RELINQUISHED BY: (SIGNATURE) DATE TIME
RECEIVED AT LAB BY: (SIGNATURE) S Riggs DATE 7/8/04 TIME 14:50

8 COMMENTS: (FOR LAB USE ONLY)
SAMPLE TEMPERATURE UPON RECEIPT 3 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT (Y) OR N
SAMPLE(S) RECEIVED ON ICE (Y) OR N
BOTTLES RECEIVED IN GOOD CONDITION (Y) OR N
BOTTLES FILLED WITH ADEQUATE VOLUME (Y) OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) (Y) OR N

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PAGE ____ OF ____

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT: AGEL – North Unit

ADDRESS:

CITY, STATE, ZIP:

CONTACT PERSON:

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED

PHONE NUMBER | FAX NUMBER | DATE SHIPPED

SAMPLER: (PLEASE PRINT) R. Rizzo / STM / DMB

SAMPLER'S SIGNATURE:

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
OTHER:

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN: 04077606
LOGGED BY: SAR
LAB PROJ. #:
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	MATRIX TYPE	TOTAL # OF CONT	REMARKS
Field Blank #1	7-8-04	8:50	X		DI	5	
Equipment Blank #	7-8-04	9:00	X		DI	5	

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
DATE RESULTS NEEDED
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE:
PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7 RELINQUISHED BY: (SIGNATURE) — DATE: 7-8-04 — TIME: 14:50
RECEIVED BY: (SIGNATURE) — DATE — TIME

RELINQUISHED BY: (SIGNATURE) — DATE — TIME
RECEIVED AT LAB BY: (SIGNATURE) — DATE: 7/8/04 — TIME: 14:50

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT: 5 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT: Y OR N
SAMPLE(S) RECEIVED ON ICE: Y OR N
BOTTLES RECEIVED IN GOOD CONDITION: Y OR N
BOTTLES FILLED WITH ADEQUATE VOLUME: Y OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S): Y OR N

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